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NPIC/R-1523/63

October 1963

PHOTOGRAPHIC INTERPRETATION REPORT

# SUPPLEMENT TO IPIRS ON BRASS KNOB MISSIONS 3743 & 3745

## ASSESSMENT OF HURRICANE FLORA DAMAGE IN SELECTED AREAS OF CUBA

DOCUMENT NO. \_\_\_\_\_  
NO CHANGE IN CLASS. \_\_\_\_\_  
DECLASSIFIED \_\_\_\_\_  
CLASS. CHANGED TO: TS S C 2012  
NEXT REVIEW DATE: \_\_\_\_\_  
AUTH: HR 70-2  
DATE: 27/5/82 REVIEWER: 037169



CIA

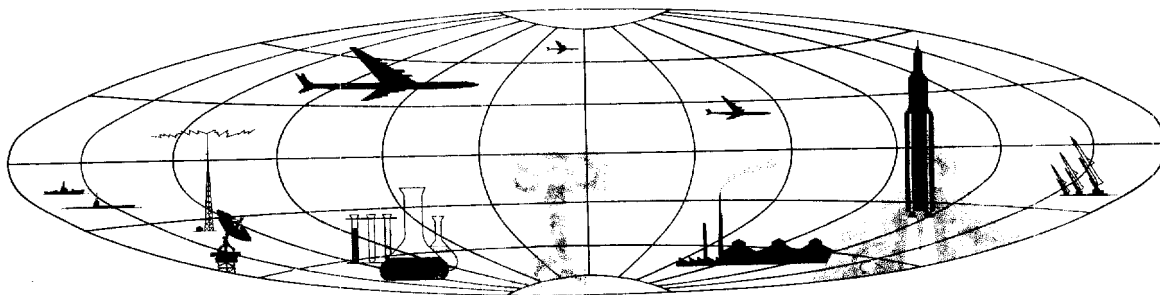


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DECLASS REVIEW by NIMA/DOD

OPS FILES

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EFFECTS OF HURRICANE FLORA  
CAYAMAS, CUBA  
2033N 07653W

25X1

[REDACTED] REVEALS THE RAIL LINE AND

SURROUNDING AREA INUNDATED.

DECLASSIFIED BY [REDACTED]  
ON [REDACTED] DATE [REDACTED]  
CLASSIFICATION [REDACTED]  
CLASS. CHANGED TO [REDACTED] 02012  
NEXT REVIEW DATE [REDACTED]  
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6 - RB/CSD/NPIC

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EFFECTS OF HURRICANE FLORA  
INEJIRO ABANUMA SPINNING MILL  
GIBARA, CUBA  
2106N 07608W

25X1

[REDACTED] REVEALS NO VISIBLE DAMAGE TO  
THIS MILL.

ANTONIO GUITERAS SUGAR MILL  
DELICIAS, CUBA  
2110N 07633W

25X1

[REDACTED] REVEALS NO VISIBLE DAMAGE TO THIS  
MILL. HOWEVER, 0.2 NM SOUTH OF THE MILL YOU WILL NOTE THE HIGHWAY BRIDGE  
HAS BEEN DAMAGED.

Distribution:

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NEXT REVIEW DATE [REDACTED]  
DATE 27/5/82 BY [REDACTED] 007169

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**EFFECTS OF HURRICANE FLORA  
ORIENTE PROVINCE  
2036N 07653W**

25X1

[REDACTED] REVEALS THIS AREA EXTENSIVELY IN-  
UNDATED. HOWEVER, WE WERE UNABLE TO ASSESS THE DAMAGE TO THE SUGAR CANE  
CROP.

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DATE 27/5/82 BY [REDACTED]

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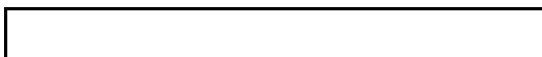
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EFFECTS OF HURRICANE FLORA  
ORIENTE PROVINCE, CUBA  
2037N 07625W

25X1



REVEALS ONE HOUND HELICOPTER IN

FLIGHT. THE HIGHWAY IS WASHED OUT AND SEVERAL VEHICLES ARE PARKED ON  
THE ROAD APPROACHING THE WASH-OUT.

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DOCUMENT NO.

NO CHANGE IN CLASS. (1)

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25X1

HOLGUIN MILITARY CAMP  
2053N 07614W

25X1D

1. THE MOST RECENT CLEAR PHOTOGRAPHIC COVERAGE PRIOR TO [REDACTED]

25X1D

[REDACTED] A COMPARISON OF EXISTING FACILITIES AT

THAT TIME AS OPPOSED TO FACILITIES WHICH WERE OBSERVED ON [REDACTED]

25X1

25X1

[REDACTED] IS AS FOLLOWS:

MAIN CAMP

[REDACTED]

25X1

TENTS

125 LARGE (55 NON-SOVIET)

21 LARGE (2 NON-SOVIET)

46 MEDIUM (2 NON-SOVIET)

NONE

41 SMALL

1 SMALL

NOTE: MANY OF THE TENTS REPORTED ON [REDACTED] ARE PARTIALLY DOWN.

25X1

VEHICLES/EQUIPMENT

35 TANKS/SP GUNS

NO CHANGE

3 U/I TRACKED VEHICLES

NO CHANGE

9 SNAPPERS

NO CHANGE

1 BTR-50P

NO CHANGE

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ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 02/05/02 BY 02012  
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209 CARGO TRUCKS

127 CARGO TRUCKS

27 UTILITY TRUCKS

18 UTILITY TRUCKS

20 VAN TRUCKS

12 VAN TRUCKS

14 CARGO TRAILERS

13 CARGO TRAILERS

9 U/I VEHICLES

28 U/I VEHICLES

23 FA PIECES

18 FA PIECES

9 AAA PIECES

7 PROBABLE AAA PIECES

THE 6-GUN AND 9-GUN AAA SITES ARE UNOCCUPIED. THREE PROBABLE AAA  
PIECES ARE PARKED BY THE 9-GUN AAA SITE.

CAMP 0.6 NM SE

NO CHANGE IN PERMANENT FACILITIES WAS NOTED WITH EXCEPTION OF ROOF  
DAMAGE TO THREE OF THE SUPPORT BUILDINGS.

TENTS

42 LARGE (NON-SOVIET)

1 LARGE (NON-SOVIET)

1 MEDIUM (NON-SOVIET)

NONE

1 SMALL (NON-SOVIET)

NONE

VEHICLES/EQUIPMENT

2 CARGO TRUCKS

NO VEHICLES OR EQUIPMENT

1 VAN TRUCK

OBSERVED IN CLOUD-FREE

4 UTILITY TRUCKS

AREAS.

9 FA PIECES

DOCUMENT NO. \_\_\_\_\_  
NO CHANGE IN CLASS. IS

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AUTH: HR70-2

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THE 9-GUN AAA SITE WAS NOT OBSERVED

IT WAS OBSERVED ON

25X1

AND IS UNOCCUPIED.

CAMP 2.2 NM SE

FACILITIES

3 BARRACKS

4 BARRACKS

8 OTHER BUILDINGS

6 OTHER BUILDINGS (2  
WITH ROOF DAMAGE)

TENTS

5 LARGE (NON-SOVIET)

ALL TENTS EITHER

1 MEDIUM (NON-SOVIET)

REMOVED OR DOWN.

7 SMALL

VEHICLES/EQUIPMENT

1 CARGO TRUCK

NONE OBSERVED

16 FA PIECES

14 FA PIECES

NOT REFINED.

NO CHANGE IN CLASS. IT

... IS CLASSIFIED

CLASS. CHANGED TO: TS S

EXPIRY REVIEW DATE: ...

CLASS. BY 70-2

DATE 27/5/82 REVIEWED 037159

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CAMAGUEY MILITARY CAMP  
2126N 07753W

1. [ ] REPORTED 4 BARRACKS-TYPE BUILDINGS, 4 SUPPORT BUILDINGS, A MESS HALL, A PROBABLE SMALL ARMS RANGE, A PARKING AREA WITH ONE UTILITY AND 9 CARGO TRUCKS, AND A SECURED PROBABLE STORAGE AREA CONTAINING ONE SUPPORT BUILDING AND A WATER TANK. PHOTOGRAPHIC MISSIONS [ ] REPORT NO CHANGE IN FACILITIES PRIOR TO THE CURRENT COVERAGE.
2. [ ] REVEALED NO CHANGE IN FACILITIES OTHER THAN APPARENT ROOF DAMAGE TO THE 4 BARRACKS-TYPE BUILDINGS.

Distribution:

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5 - FID  
6 - RB/CED/NTIC

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NO CHANGE IN CLASS II  
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NEXT REVIEW DATE: \_\_\_\_\_  
AUTH: MR 762  
DATE: 27/5/82 REVIEWED: 27/1/89

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25X1

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REMEDIOS MILITARY CAMP  
2226N 07934W

25X1

1. THE MOST RECENT CLEAR PHOTOGRAPHIC COVERAGE OF THIS INSTALLATION WAS OBTAINED ON [REDACTED] THERE HAVE BEEN 2 ADDITIONAL MISSIONS FLOWN OVER THIS AREA SINCE THAT DATE AND PRIOR TO [REDACTED] BUT COVERAGE WAS VERY POOR AND INADEQUATE FOR COMPARISON.

25X1

2. THIS BRIEFING BOARD IS TAKEN [REDACTED] A COMPARISON OF OBSERVATIONS FROM THESE TWO MISSIONS AS OPPOSED TO THOSE [REDACTED]

25X1

25X1

25X1

[REDACTED] FOLLOWS:

MAIN CAMP

NO CHANGE IN PERMANENT FACILITIES. HOWEVER, [REDACTED] REPORTED 4 LARGE, 3 MEDIUM, 3 SMALL AND 6 LARGE STORAGE TENTS. NO TENTS WERE OBSERVED [REDACTED] DUE TO SCATTERED CLOUDS THROUGHOUT THE AREA A COMPARISON OF VEHICLE/EQUIPMENT COUNTS IS NOT MADE IN THIS SUMMARY.

25X1

25X1

CAMP .8 NM NWTENTS

25X1

34 LARGE (28 NON-SOVIET)

5 PROBABLE LARGE

4 MEDIUM (NON-SOVIET)

NONE

1 SMALL

NONE

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DECLASSIFIED NO. [REDACTED]  
NO CHANGE IN CLASS. [REDACTED]  
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CLASS. CHANGED TO [REDACTED] 2012  
NEXT REVIEW DATE [REDACTED]  
AUTHORITY [REDACTED]  
DATE 27/5/82 BY [REDACTED]

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VEHICLES/EQUIPMENT

16 CARGO TRUCKS

NO VEHICLES OBSERVED

10 U/I VEHICLES

6 FA PIECES

CAMP 2.3 NM SE

TENTS

55 LARGE (44 NON-SOVIET)

15 LARGE (12 NON-SOVIET)

14 MEDIUM (NON-SOVIET)

NONE

1 SMALL

NONE

VEHICLES/EQUIPMENT

48 CARGO TRUCKS

6 CARGO TRUCKS

10 U/I VEHICLES

NONE

8 FA PIECES

3 FA PIECES

4 PROBABLE CANVAS-COVERED  
FA PIECES

NONE

NONE

2 PROBABLE UTILITY TRUCKS

3. SCATTERED CLOUDS PREVAILED THROUGHOUT THE AREA.

DOCUMENT NO. \_\_\_\_\_  
NO CHANGE IN CLASS. ☐  
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## NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

### IMMEDIATE PHOTOGRAPHIC INTERPRETATION REPORT

#### PREFACE

THIS REPORT HAS BEEN PREPARED IN RESPONSE TO REQUIREMENTS FROM CIA/ORR AND DIA FOR INFORMATION ON THE EFFECTS OF HURRICANE FLORA ON SELECTED TARGETS IN ORIENTE AND CAMAGUEY PROVINCES, CUBA. THIS INFORMATION HAS BEEN OBTAINED FROM AERIAL PHOTOGRAPHY FROM BRASS KNOB MISSIONS 3743 AND 3745, DATED 10 OCTOBER 1963. NAMES GIVEN FOR SUGAR MILLS IN THIS REPORT ARE THE LATEST AVAILABLE, WITH FORMER NAMES INCLUDED IN PARENTHESES.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS), HC (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMI-DARKNESS), O (OBLIQUITY), AND PQ (POOR IMAGE QUALITY).

#### SUMMARY

THE EXTENT OR SEVERITY OF DAMAGE TO SUGAR CANE CANNOT BE ACCURATELY DETERMINED FROM THIS HIGH-ALTITUDE PHOTOGRAPHY OF 10 OCTOBER 1963. HOWEVER, CROP AREAS IN THE RIO CAUTO BASIN, GUANTANAMO CITY, AND THE NORTHERN COASTAL AREAS OF ORIENTE AND CAMAGUEY PROVINCES REMAIN INUNDATED.

HURRICANE FLORA HAS CAUSED CONSIDERABLE FLOODING IN THE PLAINS AREAS NORTH OF THE SIERRA MAESTRA RANGE AND ALONG THE NORTHERN COASTAL AREAS OF CAMAGUEY AND ORIENTE PROVINCES. ROADS, RAILROADS, AND BRIDGES IN AREAS SOUTH OF GIBARA HAVE SUFFERED CONSIDERABLE DAMAGE (SEE ATTACHMENT 1). EXTENSIVE HIGHWAY WASHOUT WAS OBSERVED BETWEEN UTM COORDINATES 18Q UT 457725 AND 18Q UT 527828 (AMS SERIES E723, SHEET 4977IV, 1ST ED). A HOUND HELICOPTER WAS OBSERVED IN FLIGHT OVER A FLOODED SECTION OF THE HIGHWAY AT 18Q UT 515817 (SEE ATTACHMENT 2).

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POWER TRANSMISSION LINES AND SUBSTATIONS,  
ORIENTE PROVINCE

THE TRANSMISSION LINES AND SUBSTATIONS BETWEEN SANTIAGO DE CUBA, LA MAYA, GUANTANAMO, AND BOQUERON APPEAR INTACT. THE AREA BETWEEN CONTRAMAESTRE AND SANTIAGO DE CUBA WAS PARTIALLY OBSCURED BY CLOUDS, HOWEVER, FROM PALMA SORIANO TO SANTIAGO DE CUBA THE LINES APPEARED INTACT.

25X1D



POWER TRANSMISSION LINE FROM HECTOR PAZON THERMAL POWER PLANT TO HERMANOS DIAZ PETROLEUM REFINERY (TEXACO)

THE HECTOR PAZON POWER PLANT IS IN OPERATION. PYLONS ON THE SW BANK (POWER PLANT SIDE), ON THE ISLAND, AND AT THE REFINERY ARE STANDING. THE REFINERY IS IN OPERATION. EXHAUST STEAM IS RISING FROM STEAM LINES NEAR THE POWER PLANT IN THE REFINERY.

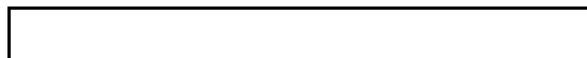
25X1D



ROADS AND RAILS BETWEEN FLORIDA AND SANTIAGO DE CUBA

THE ROADS AND RAILROADS OBSERVED IN THIS AREA APPEARED IN GENERAL TO BE OPERATIONAL EXCEPT FOR THE FOLLOWING --  
RAILROAD TRACKS RUNNING FROM 5 NM NW TO 4 NM SE OF THE CITY OF RIO CAUTO ARE INUNDATED. THE RAILROAD BRIDGE IN RIO CAUTO AT 20-33N 076-55W HAS BEEN WASHED OUT.  
THE SE APPROACH OF THE RAILROAD BRIDGE AT 20-55N 077-18W OVER RIO JOBABO IS PARTIALLY WASHED AWAY.

25X1D



BRASIL (JARONU) SUGAR MILL, JARONU 2149N 07757W

WEST SIDE OF THE TOWN OF JARONU.  
NO DAMAGE OBSERVED.

25X1D



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CIRO REDONDO (MORON) SUGAR MILL, PINA 2201N 07842W

2 NM SSE OF MORON AT THE TOWN OF PINA.  
NO DAMAGE OBSERVED.

25X1D



GUATEMALA (PRESTON) SUGAR MILL, PRESTON 2045N 07539W

NO DAMAGE OBSERVED.

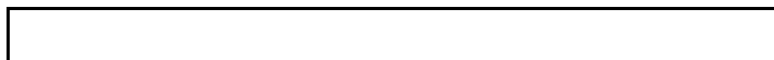
25X1D



VENEZUELA (STEWART) SUGAR MILL, STEWART 2144N 07848W

CENTER OF STEWART.  
NO DAMAGE OBSERVED.

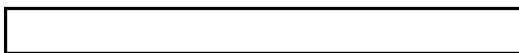
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AUTONIO GUITERAS (DELICIAS) SUGAR MILL 2110N 07633W

NO DAMAGE OBSERVED AT THE SUGAR MILL, HOWEVER,  
SEVERE DAMAGE WAS OBSERVED AT THE HIGHWAY BRIDGE  
OVER THE RIO SAUTA MARIA .2 NM SOUTH OF THE MILL AT  
UTM 18Q UU379412. (AMS E723, SHEETS 4879-I AND  
4879-II, 1ST ED).  
(SEE ATTACHMENT 3).

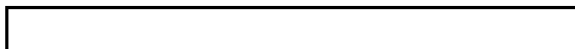
25X1D



ARGELIA LIBRE (MANATI) SUGAR MILL, MANATI 2118N 07656W

NO DAMAGE OBSERVED.

25X1D



BOLIVIA (CUNAGUA) SUGAR MILL, CUNAGUA 2205N 07820W

SW EDGE OF CUNAGUA.  
NO DAMAGE OBSERVED.

25X1D



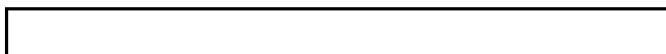
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HECTOR PAZON THERMAL POWER PLANT, SANTIAGO 2001N 07551W  
DE CUBA

NO DAMAGE OBSERVED.  
SMOKE IS RISING FROM AT LEAST ONE OF THE SMOKE STACKS  
AT THE PLANT.

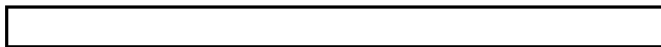
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PUNTA RENTE POWER PLANT U/C, 1959N 07552W  
SANTIAGO DE CUBA

NO DAMAGE OBSERVED.

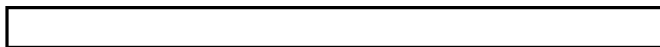
25X1D



HERMANOS DIAZ PETROLEUM REFINERY (TEXACO), 2000N 07552W  
SANTIAGO DE CUBA

NO DAMAGE VISIBLE IN CLOUD-FREE AREAS. STEAM OR  
SMOKE IS RISING FROM 2 PLACES NEAR THE FRACTIONATING  
TOWERS.

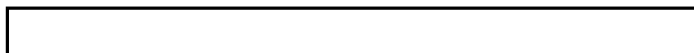
25X1D



JOSE MERCERON CEMENT PLANT, SANTIAGO DE CUBA 1960N 07551W

NO DAMAGE OBSERVED.

25X1D



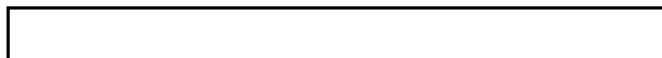
BALL BEARING FACTORY U/C, SANTIAGO DE CUBA

TARGET COULD NOT BE IDENTIFIED.

FRANK PAIS FLOUR MILL, SANTIAGO DE CUBA 2001N 07550W

NO DAMAGE OBSERVED.

25X1D





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JOSUE PAIS NUT, SCREW, AND WASHER PLANT, 2002N 07551W  
SANTIAGO DE CUBA

NO DAMAGE OBSERVED.

25X1D

WOOD SCREW FACTORY, SANTIAGO DE CUBA

TARGET COULD NOT BE IDENTIFIED.

MAX ORUE LEYYA TABLEWARE FACTORY,  
SANTIAGO DE CUBA

TARGET COULD NOT BE IDENTIFIED.

FILE FACTORY, GUANTANAMO 2009N 07510W

NO DAMAGE OBSERVED.

25X1D

PICK AND SHOVEL FACTORY, GUANTANAMO

TARGET COULD NOT BE IDENTIFIED.

WELDING ELECTRODE FACTORY & GONZALO ESTEBAN 2132N 07717W  
LUGO BARBED WIRE FACTORY, NUEVITAS

NO DAMAGE OBSERVED AT EITHER OF THESE 2 ADJOINING  
FACORIES.

25X1D

CAMAGUEY RAILROAD YARD REPAIR SHOP

TARGET CLOUD-COVERED.

25X1D

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COTTON SEED PLANT, CAMAGUEY

TARGET COULD NOT BE IDENTIFIED.

CACAO PROCESSING PLANT, BARACOA

TARGET COULD NOT BE IDENTIFIED.

INEJIRO ASANUMA SPINNING MILL, GIBARA 2106N 07608W

NO DAMAGE OBSERVED.  
(SEE ATTACHMENT 4).

25X1D



RENE RAMOS LATOUR NICKEL PLANT, NICARO 2041N 07532W

NO DAMAGE OBSERVED. THE REDUCTION FURNACES ARE  
EMITTING BLACK SMOKE.

25X1D



PEDRO SOTO ALBA NICKEL PLANT, MOA BAY 2037N 07456W

NO DAMAGE OBSERVED.

25X1D



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ATTACHMENT I

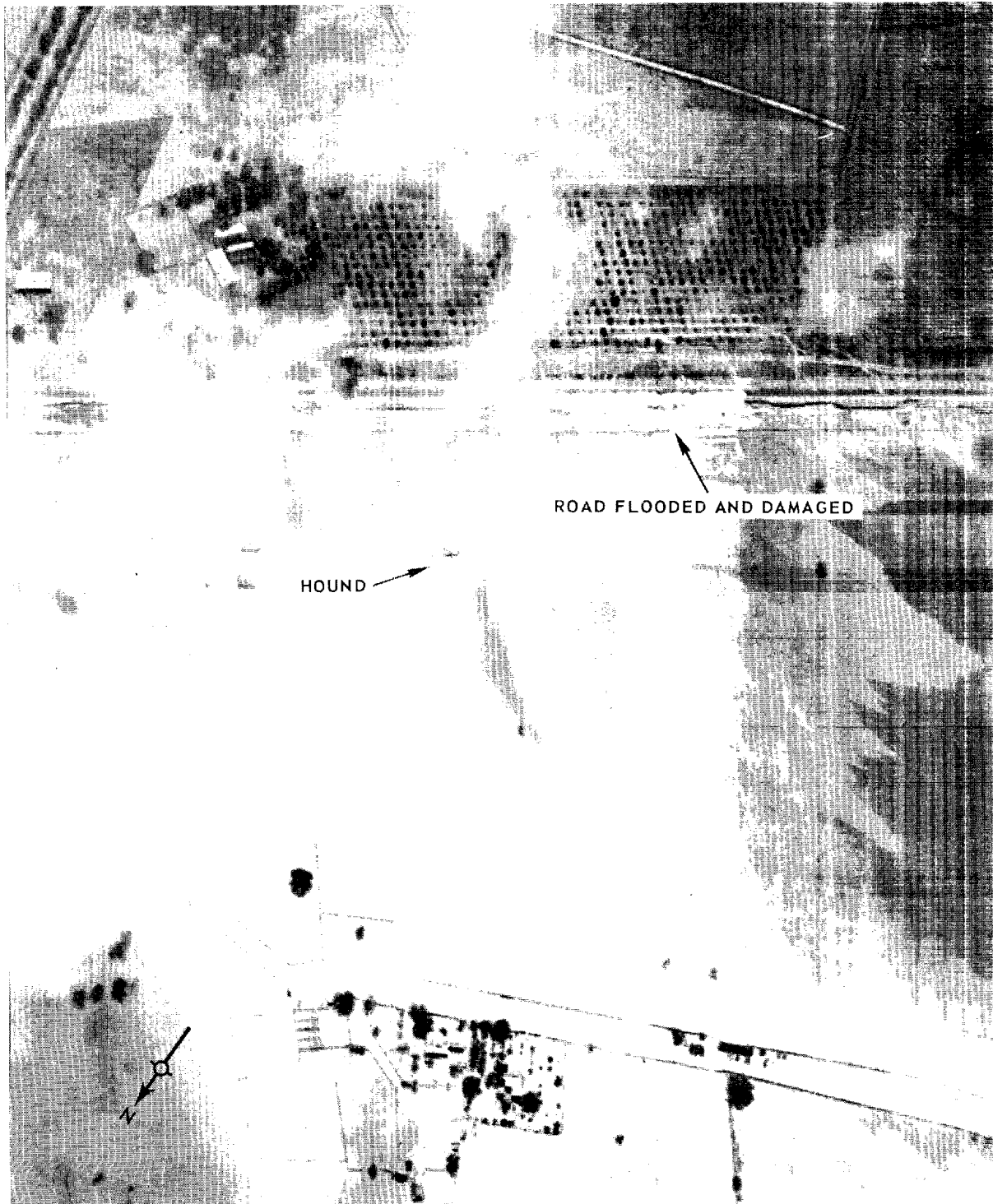


ROAD AND BRIDGE DAMAGE, GIBARA

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NPIC, R-1521/63  
ATTACHMENT 2

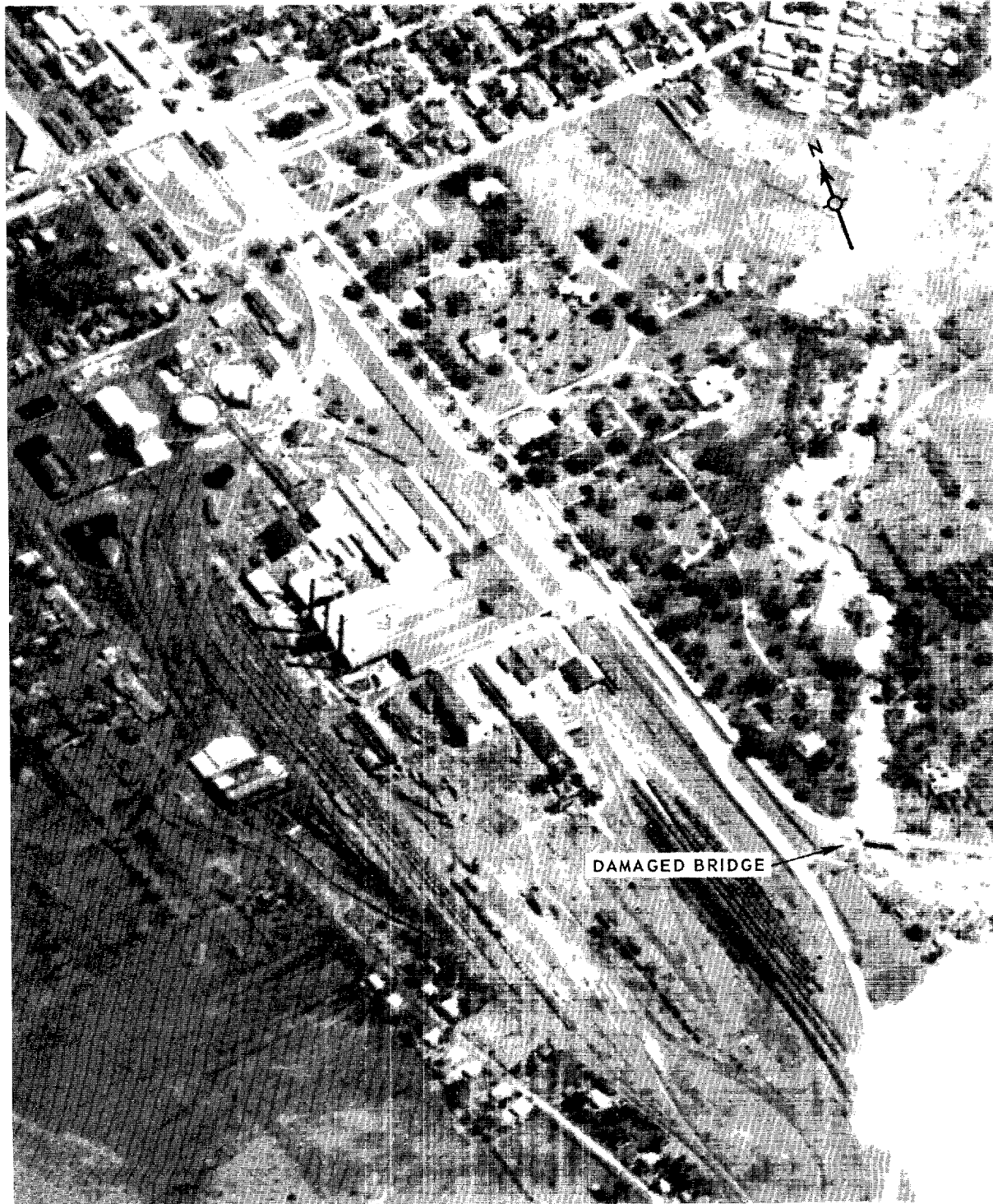


ROAD DAMAGE APPROXIMATELY 17 NM SSW OF HOLGUIN

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ATTACHMENT 3

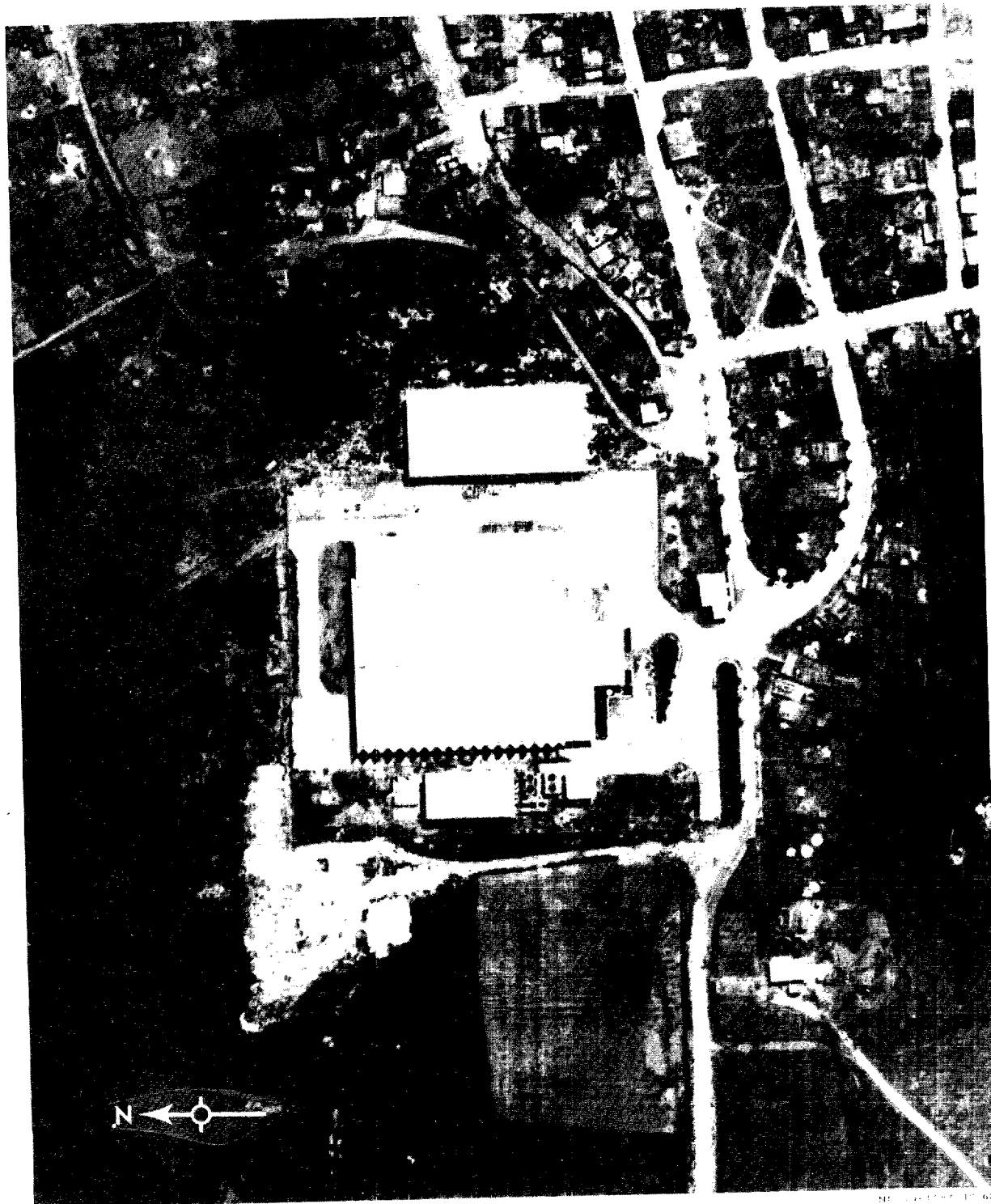


ANTONIO GUITERAS (DELICIAS) SUGAR MILL

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NPIC/R-1523/63  
ATTACHMENT 4



INEJIRO ASANUMA SPINNING MILL

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